



US 20080010593A1

(19) **United States**

(12) **Patent Application Publication**

Uusitalo et al.

(10) **Pub. No.: US 2008/0010593 A1**

(43) **Pub. Date: Jan. 10, 2008**

(54) **USER INTERFACE INPUT DEVICE**

(22) Filed: **Jun. 30, 2006**

(75) Inventors: **Jussi Severi Uusitalo,**
Hameenlinna (FI); **Kaj Makela,**
Tampere (FI)

Publication Classification

(51) **Int. Cl.**
G06F 3/01 (2006.01)

(52) **U.S. Cl.** **715/702**

Correspondence Address:

**WARE FRESSOLA VAN DER SLUYS & ADOL-
PHSON, LLP**
**BRADFORD GREEN, BUILDING 5, 755 MAIN
STREET, P O BOX 224**
MONROE, CT 06468

(57) **ABSTRACT**

A haptic/tactile input in which the behavior and/or appearance of the mechanical user interface input is configured to be adapted to the function and context of an electronic device to give feedback and cues to the user. The mechanical input for example, buttons, sliders, levers, and other input devices are made appear on the surface of the user interface when needed.

(73) Assignee: **Nokia Corporation**

(21) Appl. No.: **11/478,832**

